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PD - 1997-01-07

PR - JP19950171621 19950615

OPD - 1995-06-15

TI - ALEYRODIDAE REPELLENT

IN - OKADA FUMIO; HARA MASAHIKO

PA - MITSUI NORIN KK

IC - A01N65/00 ; A01M29/00

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TI - White-fly exterminator for vegetables, flowers and fruit trees - contains sweet bay oil

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PA - (MITS-N) MITSUI NORIN KK

IC - A01M29/00 ;A01N65/00

AB - J09002913 Agent for controlling whiteflies contains sweet bay oil as an active ingredient.

- USE/ADVANTAGE - The agent is useful for controlling whitefly (insect belonging to family Aleyrodidae, such as *Trialeurodes vaporariorum*) partic. parasites of vegetables, flowers, tobacco and fruit trees. The agent exterminates whitefly safely without affecting men and animals, or causing environmental pollution.

- In an example, an agent for controlling whitefly was made by mixing sweet bay oil (1%), ethanol (3%), surfactant and water (96%) and sprayed onto *Trialeurodes vaporariorum* born on tobacco plant cultivated in a greenhouse, after the leaves were parasitised by *Trialeurodes vaporariorum* were put in a vinyl bag. Immediately after spraying, *Trialeurodes vaporariorum* tried to fly but soon dropped and died.(Dwg.0/0)

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TI - ALEYRODIDAE REPELLENT

AB - PURPOSE: To obtain an Aleyrodidae repellent parasitic to agricultural, horticultural and technological crops, containing, as active ingredient, a specific natural product harmless to humans and livestock and known as e.g. a flavoring matter.

- CONSTITUTION: This Aleyrodidae repellent contains, as active ingredient, a natural *Laurus nobilis* oil obtained by industrial steam distillation of dried branches and leaves picked from *Laurus nobilis* trees. As the *Laurus nobilis* oil contains cineole, eugenol, etc., oils other than the *Laurus nobilis* oil (e.g. clove oil) can also be used provided that these contain the above ingredients. The *Laurus nobilis* oil, in a state of being left intact, is oily and hard to be applied; therefore, the oil is pref. used in the form of (aqueous) solution. The solvent to be used for this purpose is pref. ethanol or methanol used in food additives or food processing. The concentration of the solution is pref. 1-70wt.%. In general, when this repellent is to be used, it is diluted with water and applied; in this case, its dilution is pref. so as to be 0.1-5.0wt.% or so in the concentration of the *Laurus nobilis* oil.

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